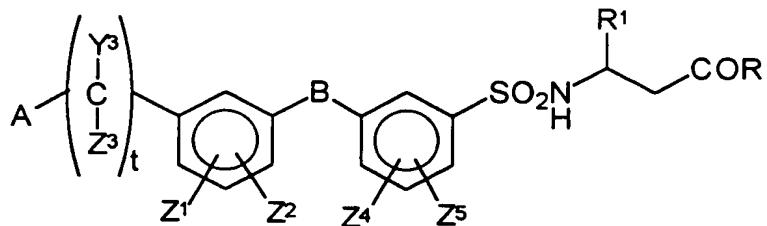


What is claimed is:

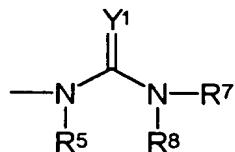
1. A compound of the formula



or a pharmaceutically acceptable salt thereof, wherein

B is selected from the group consisting of  $-\text{CONR}^{50}-$  and  $-\text{SO}_2\text{NR}^{50}-$ ;

A is



wherein  $Y^1$  is selected from the group consisting of  $\text{N}-\text{R}^2$ , O, and S;

$\text{R}^2$  is selected from the group consisting of H; alkyl; aryl; hydroxy; alkoxy; cyano; nitro; amino; alkenyl; alkynyl; alkyl optionally substituted with one or more substituent selected from lower alkyl, halogen, hydroxyl, haloalkyl, cyano, nitro, carboxyl, amino, alkoxy, aryl or aryl optionally substituted with one or more halogen, haloalkyl, lower alkyl, alkoxy, cyano, alkylsulfonyl, alkylthio, nitro, carboxyl, amino, hydroxyl, sulfonic acid, sulfonamide, aryl, fused aryl, monocyclic heterocycles, or fused monocyclic heterocycles; aryl optionally substituted with one or more substituent selected from halogen,

haloalkyl, hydroxy, lower alkyl, alkoxy, methylenedioxy, ethylenedioxy, cyano, nitro, alkylthio, alkylsulfonyl, sulfonic acid, sulfonamide, carboxyl derivatives, amino, aryl, fused aryl, monocyclic heterocycles and fused monocyclic heterocycle; monocyclic heterocycles; and monocyclic heterocycles optionally substituted with one or more substituent selected from halogen, haloalkyl, lower alkyl, alkoxy, amino, nitro, hydroxy, carboxyl derivatives, cyano, alkylthio, alkylsulfonyl, sulfonic acid, sulfonamide, aryl or fused aryl; or

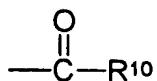
$R^2$  taken together with  $R^7$  forms a 4-12 membered dinitrogen containing heterocycle optionally substituted with one or more substituent selected from the group consisting of lower alkyl, hydroxy and phenyl;

or  $R^2$  taken together with  $R^7$  forms a 5 membered heteroaromatic ring;

or  $R^2$  taken together with  $R^7$  forms a 5 membered heteroaromatic ring fused with a phenyl group;

$R^7$  (when not taken together with  $R^2$ ) and  $R^8$  are independently selected from the group consisting of H; alkyl; alkenyl; alkynyl; aralkyl; cycloalkyl; bicycloalkyl; aryl; acyl; benzoyl; alkyl optionally substituted with one or more substituent selected from lower alkyl, halogen, hydroxy, haloalkyl, cyano, nitro, carboxyl derivatives, amino, alkoxy, thio, alkylthio, sulfonyl, aryl, aralkyl, aryl optionally substituted with one or more substituent selected from halogen, haloalkyl, lower alkyl, alkoxy, methylenedioxy, ethylenedioxy, alkylthio,

haloalkylthio, thio, hydroxy, cyano, nitro, carboxyl derivatives, aryloxy, amido, acylamino, amino, alkylamino, dialkylamino, trifluoroalkoxy, trifluoromethyl, sulfonyl, alkylsulfonyl, haloalkylsulfonyl, sulfonic acid, sulfonamide, aryl, fused aryl, monocyclic heterocycles, fused monocyclic heterocycles; aryl optionally substituted with one or more substituent selected from halogen, haloalkyl, lower alkyl, alkoxy, methylenedioxy, ethylenedioxy, alkylthio, haloalkylthio, thio, hydroxy, cyano, nitro, carboxyl derivatives, aryloxy, amido, acylamino, amino, alkylamino, dialkylamino, trifluoroalkoxy, trifluoromethylsulfonyl, alkylsulfonyl, sulfonic acid, sulfonamide, aryl, fused aryl, monocyclic heterocycles, or fused monocyclic heterocycles; monocyclic heterocycles; monocyclic heterocycles optionally substituted with one or more substituent selected from halogen, haloalkyl, lower alkyl, alkoxy, aryloxy, amino, nitro, hydroxy, carboxyl derivatives, cyano, alkylthio, alkylsulfonyl, aryl, fused aryl; monocyclic and bicyclic heterocyclicalkyls;  $-\text{SO}_2\text{R}^{10}$  wherein  $\text{R}^{10}$  is selected from the group consisting of alkyl, aryl and monocyclic heterocycles, all optionally substituted with one or more substituent selected from the group consisting of halogen, haloalkyl, alkyl, alkoxy, cyano, nitro, amino, acylamino, trifluoroalkyl, amido, alkylaminosulfonyl, alkylsulfonyl, alkylsulfonylamino, alkylamino, dialkylamino, trifluoromethylthio, trifluoroalkoxy, trifluoromethylsulfonyl, aryl, aryloxy, thio, alkylthio, and monocyclic heterocycles; and

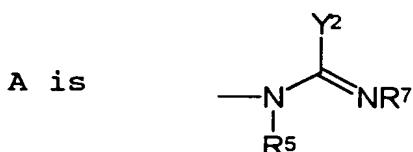


wherein  $R^{10}$  is defined above;

or  $NR^7$  and  $R^8$  taken together form a 4-12 membered mononitrogen containing monocyclic or bicyclic ring optionally substituted with one or more substituent selected from lower alkyl, carboxyl derivatives, aryl or hydroxy and wherein said ring optionally contains a heteroatom selected from the group consisting of O, N and S;

$R^5$  is selected from the group consisting of H, alkyl, alkenyl, alkynyl, benzyl, and phenethyl;

or



wherein Y<sup>2</sup> is selected from the group consisting of H, alkyl; cycloalkyl; bicycloalkyl; aryl; monocyclic heterocycles; alkyl optionally substituted with aryl which can also be optionally substituted with one or more substituent selected from halo, haloalkyl, alkyl, nitro, hydroxy, alkoxy, aryloxy, aryl, or fused aryl; aryl optionally substituted with one or more substituent selected from halo, haloalkyl, hydroxy, alkoxy, aryloxy, aryl, fused aryl, nitro, methylenedioxy, ethylenedioxy, or alkyl; alkynyl; alkenyl; -S-R<sup>9</sup> and -O-R<sup>9</sup> wherein R<sup>9</sup> is selected from the group consisting of H; alkyl; aralkyl; aryl; alkenyl; and alkynyl; or R<sup>9</sup> taken together with R<sup>7</sup> forms a 4-12 membered mononitrogen containing sulfur or oxygen containing heterocyclic ring; and

$R^5$  and  $R^7$  are as defined above;

or  $Y^2$  (when  $Y^2$  is carbon) taken together with  $R^7$  forms a 4-12 membered mononitrogen containing ring optionally substituted with alkyl, aryl or hydroxy;

$Z^1$ ,  $Z^2$ ,  $Z^4$  and  $Z^5$  are independently selected from the group consisting of H; alkyl; hydroxy; alkoxy; aryloxy; arylalkoxy; halogen; haloalkyl; haloalkoxy; nitro; amino; aminoalkyl; alkylamino; dialkylamino; cyano; alkylthio; alkylsulfonyl; carboxyl derivatives; acetamide; aryl; fused aryl; cycloalkyl; thio; monocyclic heterocycles; fused monocyclic heterocycles; and A, wherein A is defined above;

$R^{50}$  is selected from the group consisting of H and alkyl;

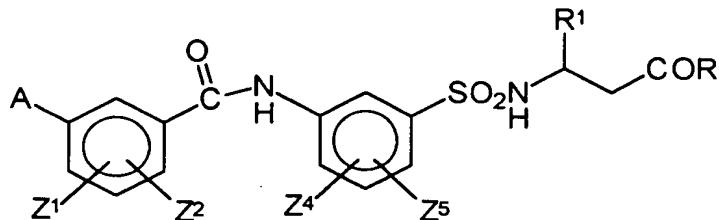
$R^1$  is selected from the group consisting of H, alkyl, alkenyl, alkynyl, aryl and aryl, optionally substituted with one or more substituent selected from the group consisting of halogen, haloalkyl, hydroxy, alkoxy, aryloxy, aralkoxy, amino, aminoalkyl, carboxyl derivatives, cyano and nitro;

t is an integer 0, 1 or 2;

R is  $X-R^3$  wherein X is selected from the group consisting of O, S and  $NR^4$ , wherein  $R^3$  and  $R^4$  are independently selected from the group consisting of hydrogen; alkyl; alkenyl; alkynyl; haloalkyl; aryl; arylalkyl; sugars; steroids and in the case of the free acid, all pharmaceutically acceptable salts thereof; and

$Y^3$  and  $Z^3$  are independently selected from the group consisting of H, alkyl, aryl, cycloalkyl and aralkyl.

2. A compound according to Claim 1 of the formula



3. A compound according to Claim 2 wherein the compound is selected from the group consisting of

$\beta$ -[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-benzenepropanoic acid;

( $\pm$ ) 3-[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-4-pentyanoic acid;

( $\pm$ ) 3-[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-4-pentenoic acid;

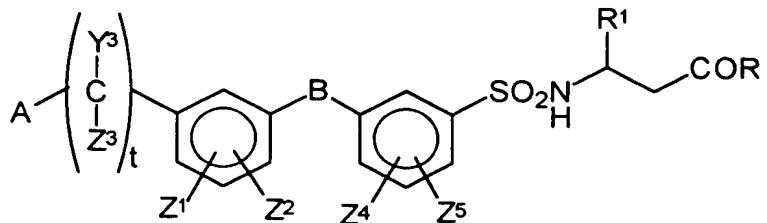
( $\pm$ )  $\beta$ -[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-3,5-dichlorobenzene propanoic acid;

$\beta$ -[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-pyridine-3-propanoic acid;

3S-[[3-[[3-[(4,5-dihydro-1H-imidazol-2-yl)amino]phenyl]carbonyl]amino]phenyl]sulfonyl]-amino]-4-pentyanoic acid; and

3-[[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-4-pentyanoic acid.

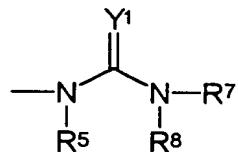
4. A compound according to Claim 1 wherein the compound is  $\beta$ -[[[3-[[3-[(aminoiminomethyl)amino]phenyl]sulfonyl]amino]phenyl]sulfonyl]amino]phenyl-propanoic acid.
5. A pharmaceutical composition comprising a therapeutically effective amount of a compound of the formula



or a pharmaceutically acceptable salt thereof, wherein

B is selected from the group consisting of  $-\text{CONR}^{50}-$  and  $-\text{SO}_2\text{NR}^{50}-$ ;

A is



wherein  $\text{Y}^1$  is selected from the group consisting of  $\text{N}-\text{R}^2$ ,  $\text{O}$ , and  $\text{S}$ ;

$\text{R}^2$  is selected from the group consisting of H; alkyl; aryl; hydroxy; alkoxy; cyano; nitro; amino; alkenyl; alkynyl; alkyl optionally substituted with one or more substituent selected from lower

alkyl, halogen, hydroxyl, haloalkyl, cyano, nitro, carboxyl, amino, alkoxy, aryl or aryl optionally substituted with one or more halogen, haloalkyl, lower alkyl, alkoxy, cyano, alkylsulfonyl, alkylthio, nitro, carboxyl, amino, hydroxyl, sulfonic acid, sulfonamide, aryl, fused aryl, monocyclic heterocycles, or fused monocyclic heterocycles; aryl optionally substituted with one or more substituent selected from halogen, haloalkyl, hydroxy, lower alkyl, alkoxy, methylenedioxy, ethylenedioxy, cyano, nitro, alkylthio, alkylsulfonyl, sulfonic acid, sulfonamide, carboxyl derivatives, amino, aryl, fused aryl, monocyclic heterocycles and fused monocyclic heterocycle; monocyclic heterocycles; and monocyclic heterocycles optionally substituted with one or more substituent selected from halogen, haloalkyl, lower alkyl, alkoxy, amino, nitro, hydroxy, carboxyl derivatives, cyano, alkylthio, alkylsulfonyl, sulfonic acid, sulfonamide, aryl or fused aryl; or

$R^2$  taken together with  $R^7$  forms a 4-12 membered dinitrogen containing heterocycle optionally substituted with one or more substituent selected from the group consisting of lower alkyl, hydroxy and phenyl;

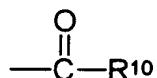
or  $R^2$  taken together with  $R^7$  forms a 5 membered heteroaromatic ring;

or  $R^2$  taken together with  $R^7$  forms a 5 membered heteroaromatic ring fused with a phenyl group;

$R^7$  (when not taken together with  $R^2$ ) and  $R^8$  are independently selected from the group consisting of H; alkyl; alkenyl; alkynyl; aralkyl;

cycloalkyl; bicycloalkyl; aryl; acyl; benzoyl; alkyl optionally substituted with one or more substituent selected from lower alkyl, halogen, hydroxy, haloalkyl, cyano, nitro, carboxyl derivatives, amino, alkoxy, thio, alkylthio, sulfonyl, aryl, aralkyl, aryl optionally substituted with one or more substituent selected from halogen, haloalkyl, lower alkyl, alkoxy, methylenedioxy, ethylenedioxy, alkylthio, haloalkylthio, thio, hydroxy, cyano, nitro, carboxyl derivatives, aryloxy, amido, acylamino, amino, alkylamino, dialkylamino, trifluoroalkoxy, trifluoromethyl, sulfonyl, alkylsulfonyl, haloalkylsulfonyl, sulfonic acid, sulfonamide, aryl, fused aryl, monocyclic heterocycles, fused monocyclic heterocycles; aryl optionally substituted with one or more substituent selected from halogen, haloalkyl, lower alkyl, alkoxy, methylenedioxy, ethylenedioxy, alkylthio, haloalkylthio, thio, hydroxy, cyano, nitro, carboxyl derivatives, aryloxy, amido, acylamino, amino, alkylamino, dialkylamino, trifluoroalkoxy, trifluoromethylsulfonyl, alkylsulfonyl, sulfonic acid, sulfonamide, aryl, fused aryl, monocyclic heterocycles, or fused monocyclic heterocycles; monocyclic heterocycles; monocyclic heterocycles optionally substituted with one or more substituent selected from halogen, haloalkyl, lower alkyl, alkoxy, aryloxy, amino, nitro, hydroxy, carboxyl derivatives, cyano, alkylthio, alkylsulfonyl, aryl, fused aryl; monocyclic and bicyclic heterocyclicalkyls;  $-\text{SO}_2\text{R}^{10}$  wherein  $\text{R}^{10}$  is selected from the group consisting of alkyl, aryl and monocyclic heterocycles, all optionally substituted with one or more substituent selected from the group consisting of halogen, haloalkyl, alkyl, alkoxy, cyano, nitro, amino, acylamino,

trifluoroalkyl, amido, alkylaminosulfonyl, alkylsulfonyl, alkylsulfonylamino, alkylamino, dialkylamino, trifluoromethylthio, trifluoroalkoxy, trifluoromethylsulfonyl, aryl, aryloxy, thio, alkylthio, and monocyclic heterocycles; and

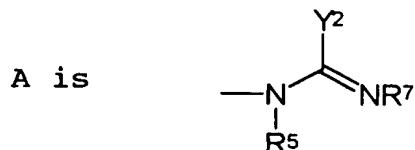


wherein  $R^{10}$  is defined above;

or  $NR^7$  and  $R^8$  taken together form a 4-12 membered mononitrogen containing monocyclic or bicyclic ring optionally substituted with one or more substituent selected from lower alkyl, carboxyl derivatives, aryl or hydroxy and wherein said ring optionally contains a heteroatom selected from the group consisting of O, N and S;

$R^5$  is selected from the group consisting of H, alkyl, alkenyl, alkynyl, benzyl, and phenethyl;

or



wherein  $Y^2$  is selected from the group consisting of alkyl; cycloalkyl; bicycloalkyl; aryl; monocyclic heterocycles; alkyl optionally substituted with aryl which can also be optionally substituted with one or more substituent selected from halo, haloalkyl, alkyl, nitro, hydroxy,

alkoxy, aryloxy, aryl, or fused aryl; aryl optionally substituted with one or more substituent selected from halo, haloalkyl, hydroxy, alkoxy, aryloxy, aryl, fused aryl, nitro, methylenedioxy, ethylenedioxy, or alkyl; alkynyl; alkenyl;  $-S-R^9$  and  $-O-R^9$  wherein  $R^9$  is selected from the group consisting of H; alkyl; aralkyl; aryl; alkenyl; and alkynyl; or  $R^9$  taken together with  $R^7$  forms a 4-12 membered mononitrogen containing sulfur or oxygen containing heterocyclic ring; and

$R^5$  and  $R^7$  are as defined above;

or  $Y^2$  (when  $Y^2$  is carbon) taken together with  $R^7$  forms a 4-12 membered mononitrogen containing ring optionally substituted with alkyl, aryl or hydroxy;

$Z^1$ ,  $Z^2$ ,  $Z^4$  and  $Z^5$  are independently selected from the group consisting of H; alkyl; hydroxy; alkoxy; aryloxy; arylalkoxy; halogen; haloalkyl; haloalkoxy; nitro; amino; aminoalkyl; alkylamino; dialkylamino; cyano; alkylthio; alkylsulfonyl; carboxyl derivatives; acetamide; aryl; fused aryl; cycloalkyl; thio; monocyclic heterocycles; fused monocyclic heterocycles; and A, wherein A is defined above;

$R^{50}$  is selected from the group consisting of H and alkyl;

$R^1$  is selected from the group consisting of H, alkyl, alkenyl, alkynyl, aryl and aryl, optionally substituted with one or more substituent selected from the group consisting of halogen, haloalkyl,

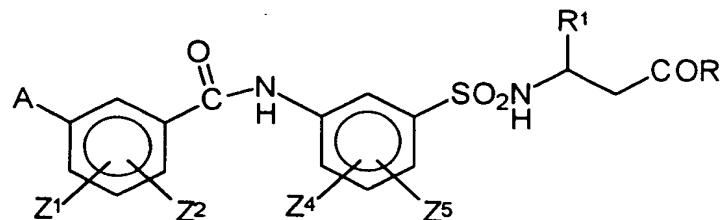
hydroxy, alkoxy, aryloxy, aralkoxy, amino, aminoalkyl, carboxyl derivatives, cyano and nitro;

t is an integer 0, 1 or 2;

R is X-R<sup>3</sup> wherein X is selected from the group consisting of O, S and NR<sup>4</sup>, wherein R<sup>3</sup> and R<sup>4</sup> are independently selected from the group consisting of hydrogen; alkyl; alkenyl; alkynyl; haloalkyl; aryl; arylalkyl; sugars; steroids and in the case of the free acid, all pharmaceutically acceptable salts thereof;

Y<sup>3</sup> and Z<sup>3</sup> are independently selected from the group consisting of H, alkyl, aryl, cycloalkyl and aralkyl; and a pharmaceutically acceptable carrier.

6. A pharmaceutical composition according to Claim 5 of the formula



7. A pharmaceutical composition according to Claim 6 wherein the compound is selected from the group consisting of

$\beta$ -[[[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-benzenepropanoic acid;

(±) 3-[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-4-pentyanoic acid;

(±) 3-[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-4-pentenoic acid;

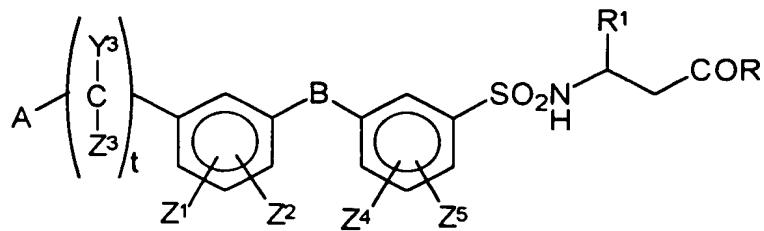
(±)  $\beta$ -[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-3,5-dichlorobenzene propanoic acid;

$\beta$ -[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-pyridine-3-propanoic acid;

3S-[[3-[[3-[(4,5-dihydro-1H-imidazol-2-yl)amino]-phenyl]carbonyl]amino]phenyl]sulfonyl]-amino]-4-pentyanoic acid; and

3-[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-4-pentyanoic acid.

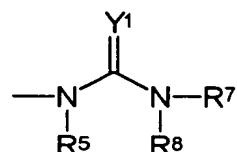
8. A pharmaceutical composition according to Claim 5 wherein the compound is  $\beta$ -[[3-[[3-[(aminoiminomethyl)amino]-phenyl]sulfonyl]amino]-phenyl]sulfonyl]amino]phenyl-propanoic acid.
9. A method for treating conditions mediated by the  $\alpha_v\beta_3$  integrin in a mammal in need of such treatment comprising administering an effective  $\alpha_v\beta_3$  inhibiting amount of a compound of the formula



or a pharmaceutically acceptable salt thereof, wherein

$B$  is selected from the group consisting of  $-\text{CONR}^{50}-$  and  $-\text{SO}_2\text{NR}^{50}-$ ;

$A$  is



wherein  $\text{Y}^1$  is selected from the group consisting of  $\text{N}-\text{R}^2$ ,  $\text{O}$ , and  $\text{S}$ ;

$\text{R}^2$  is selected from the group consisting of  $\text{H}$ ; alkyl; aryl; hydroxy; alkoxy; cyano; nitro; amino; alkenyl; alkynyl; alkyl optionally substituted with one or more substituent selected from lower alkyl, halogen, hydroxyl, haloalkyl, cyano, nitro, carboxyl, amino, alkoxy, aryl or aryl optionally substituted with one or more halogen, haloalkyl, lower alkyl, alkoxy, cyano, alkylsulfonyl, alkylthio, nitro, carboxyl, amino, hydroxyl, sulfonic acid, sulfonamide, aryl, fused aryl, monocyclic heterocycles, or fused monocyclic heterocycles; aryl optionally substituted with one or more substituent selected from halogen, haloalkyl, hydroxy, lower alkyl, alkoxy,

methylenedioxy, ethylenedioxy, cyano, nitro, alkylthio, alkylsulfonyl, sulfonic acid, sulfonamide, carboxyl derivatives, amino, aryl, fused aryl, monocyclic heterocycles and fused monocyclic heterocycle; monocyclic heterocycles; and monocyclic heterocycles optionally substituted with one or more substituent selected from halogen, haloalkyl, lower alkyl, alkoxy, amino, nitro, hydroxy, carboxyl derivatives, cyano, alkylthio, alkylsulfonyl, sulfonic acid, sulfonamide, aryl or fused aryl; or

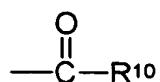
$R^2$  taken together with  $R^7$  forms a 4-12 membered dinitrogen containing heterocycle optionally substituted with one or more substituent selected from the group consisting of lower alkyl, hydroxy and phenyl;

or  $R^2$  taken together with  $R^7$  forms a 5 membered heteroaromatic ring;

or  $R^2$  taken together with  $R^7$  forms a 5 membered heteroaromatic ring fused with a phenyl group;

$R^7$  (when not taken together with  $R^2$ ) and  $R^8$  are independently selected from the group consisting of H; alkyl; alkenyl; alkynyl; aralkyl; cycloalkyl; bicycloalkyl; aryl; acyl; benzoyl; alkyl optionally substituted with one or more substituent selected from lower alkyl, halogen, hydroxy, haloalkyl, cyano, nitro, carboxyl derivatives, amino, alkoxy, thio, alkylthio, sulfonyl, aryl, aralkyl, aryl optionally substituted with one or more substituent selected from halogen, haloalkyl, lower alkyl, alkoxy, methylenedioxy, ethylenedioxy, alkylthio, haloalkylthio, thio, hydroxy, cyano, nitro,

carboxyl derivatives, aryloxy, amido, acylamino, amino, alkylamino, dialkylamino, trifluoroalkoxy, trifluoromethyl, sulfonyl, alkylsulfonyl, haloalkylsulfonyl, sulfonic acid, sulfonamide, aryl, fused aryl, monocyclic heterocycles, fused monocyclic heterocycles; aryl optionally substituted with one or more substituent selected from halogen, haloalkyl, lower alkyl, alkoxy, methylenedioxy, ethylenedioxy, alkylthio, haloalkylthio, thio, hydroxy, cyano, nitro, carboxyl derivatives, aryloxy, amido, acylamino, amino, alkylamino, dialkylamino, trifluoroalkoxy, trifluoromethylsulfonyl, alkylsulfonyl, sulfonic acid, sulfonamide, aryl, fused aryl, monocyclic heterocycles, or fused monocyclic heterocycles; monocyclic heterocycles; monocyclic heterocycles optionally substituted with one or more substituent selected from halogen, haloalkyl, lower alkyl, alkoxy, aryloxy, amino, nitro, hydroxy, carboxyl derivatives, cyano, alkylthio, alkylsulfonyl, aryl, fused aryl; monocyclic and bicyclic heterocyclicalkyls;  $-\text{SO}_2\text{R}^{10}$  wherein  $\text{R}^{10}$  is selected from the group consisting of alkyl, aryl and monocyclic heterocycles, all optionally substituted with one or more substituent selected from the group consisting of halogen, haloalkyl, alkyl, alkoxy, cyano, nitro, amino, acylamino, trifluoroalkyl, amido, alkylaminosulfonyl, alkylsulfonyl, alkylsulfonylamino, alkylamino, dialkylamino, trifluoromethylthio, trifluoroalkoxy, trifluoromethylsulfonyl, aryl, aryloxy, thio, alkylthio, and monocyclic heterocycles; and

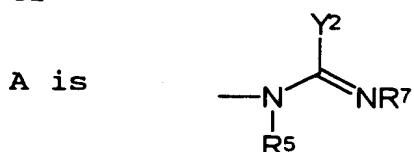


wherein  $\text{R}^{10}$  is defined above;

or NR<sup>7</sup> and R<sup>8</sup> taken together form a 4-12 membered mononitrogen containing monocyclic or bicyclic ring optionally substituted with one or more substituent selected from lower alkyl, carboxyl derivatives, aryl or hydroxy and wherein said ring optionally contains a heteroatom selected from the group consisting of O, N and S;

$R^5$  is selected from the group consisting of H, alkyl, alkenyl, alkynyl, benzyl, and phenethyl;

or



wherein  $Y^2$  is selected from the group consisting of alkyl; cycloalkyl; bicycloalkyl; aryl; monocyclic heterocycles; alkyl optionally substituted with aryl which can also be optionally substituted with one or more substituent selected from halo, haloalkyl, alkyl, nitro, hydroxy, alkoxy, aryloxy, aryl, or fused aryl; aryl optionally substituted with one or more substituent selected from halo, haloalkyl, hydroxy, alkoxy, aryloxy, aryl, fused aryl, nitro, methylenedioxy, ethylenedioxy, or alkyl; alkynyl; alkenyl;  $-S-R^9$  and  $-O-R^9$  wherein  $R^9$  is selected from the group consisting of H; alkyl; aralkyl; aryl; alkenyl; and alkynyl; or  $R^9$  taken together with  $R^7$  forms a 4-12 membered mononitrogen containing sulfur or oxygen containing heterocyclic ring; and

$R^5$  and  $R^7$  are as defined above;

or  $Y^2$  (when  $Y^2$  is carbon) taken together with  $R^7$  forms a 4-12 membered mononitrogen containing ring optionally substituted with alkyl, aryl or hydroxy;

$Z^1$ ,  $Z^2$ ,  $Z^4$  and  $Z^5$  are independently selected from the group consisting of H; alkyl; hydroxy; alkoxy; aryloxy; arylalkoxy; halogen; haloalkyl; haloalkoxy; nitro; amino; aminoalkyl; alkylamino; dialkylamino; cyano; alkylthio; alkylsulfonyl; carboxyl derivatives; acetamide; aryl; fused aryl; cycloalkyl; thio; monocyclic heterocycles; fused monocyclic heterocycles; and A, wherein A is defined above;

$R^{50}$  is selected from the group consisting of H and alkyl;

$R^1$  is selected from the group consisting of H, alkyl, alkenyl, alkynyl, aryl and aryl, optionally substituted with one or more substituent selected from the group consisting of halogen, haloalkyl, hydroxy, alkoxy, aryloxy, aralkoxy, amino, aminoalkyl, carboxyl derivatives, cyano and nitro;

t is an integer 0, 1 or 2;

R is  $X-R^3$  wherein X is selected from the group consisting of O, S and  $NR^4$ , wherein  $R^3$  and  $R^4$  are independently selected from the group consisting of hydrogen; alkyl; alkenyl; alkynyl; haloalkyl; aryl; arylalkyl; sugars; steroids and in the case of the free acid, all pharmaceutically acceptable salts thereof; and

$y^3$  and  $z^3$  are independently selected from the group consisting of H, alkyl, aryl, cycloalkyl and aralkyl.

10. A method according to Claim 9 wherein the compound is selected from the group consisting of

$\beta$ -[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-benzenepropanoic acid;

( $\pm$ ) 3-[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-4-pentyanoic acid;

( $\pm$ ) 3-[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-4-pentenoic acid;

( $\pm$ )  $\beta$ -[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-3,5-dichlorobenzene propanoic acid;

$\beta$ -[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-pyridine-3-propanoic acid;

3S-[[3-[[3-[(4,5-dihydro-1H-imidazol-2-yl)amino]-phenyl]carbonyl]amino]phenyl]sulfonyl]-amino]-4-pentyanoic acid; and

3-[[3-[[3-[(aminoiminomethyl)amino]phenyl]-carbonyl]amino]phenyl]sulfonyl]amino]-4-pentyanoic acid.

11. The method according to Claim 9 wherein the condition treated is tumor metastasis.

12. The method according to Claim 10 wherein the condition treated is tumor metastasis.
13. The method according to Claim 9 wherein the condition treated is solid tumor growth.
14. The method according to Claim 10 wherein the condition treated is solid tumor growth.
15. The method according to Claim 9 wherein the condition treated is angiogenesis.
16. The method according to Claim 10 wherein the condition treated is angiogenesis.
17. The method according to Claim 9 wherein the condition treated is osteoporosis.
18. The method according to Claim 10 wherein the condition treated is osteoporosis.
19. The method according to Claim 9 wherein the condition treated is humoral hypercalcemia of malignancy.
20. The method according to Claim 10 wherein the condition treated is humoral hypercalcemia of malignancy.
21. The method according to Claim 9 wherein the condition treated is smooth muscle cell migration.
22. The method according to Claim 10 wherein the condition treated is smooth muscle cell migration.
23. The method according to Claim 9 wherein restenosis is inhibited.

24. The method according to Claim 10 wherein restenosis is inhibited.
25. The compound 1-[[3-[[3-[(aminoiminomethyl)amino]-phenyl]carbonyl]amino]phenyl]sulfonyl]piperidine-2-acetic acid or pharmaceutically acceptable salts thereof.
26. A pharmaceutical composition comprising the compound 1-[[3-[[3-[(aminoiminomethyl)amino]-phenyl]carbonyl]amino]phenyl]sulfonyl]piperidine-2-acetic acid or a pharmaceutically acceptable salt thereof and a pharmaceutically acceptable carrier.